

TEROSON VC 3116

July 2014

PRODUCT DESCRIPTION

TEROSON VC 3116 provides the following product characteristics:

Technology	Solvent-based adhesive
Product Type	PVC adhesive
Additional information	PVC base

TEROSON VC 3116 is a solvent-based one component adhesive on base of polyvinyl chloride.

TEROSON VC 3116 is for bonding foils on PVC-U, which are used in the cooling tower area.

TECHNICAL DATA

(Typical Test Results)

Colour	colorless, slightly milky
Density	approx. 0.9 g/cm ³
Solid	approx. 9 to 11 %
Viscosity	approx. <100 mPa.s
Open time	approx. 4 mins at 1mm layer thickness on PVC-U at 23°C
Final Strength	Final strength after 20 days of drying at 21-25 °C
Resistance	The unset adhesive is water resistant and resilient up to max. 60°C.
Application temperature	5 to 35 °C

PRELIMINARY STATEMENT

Prior to application it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

Pretreatment

The surface must be dry, free from oil, grease and dust.

Application

The adhesive should be applied mechanically with the use of a rolling chair. A special pretreatment of the foils is not applicable. On the basis of a differentiated adhesive behavior of calendered/extruded PVC-U foils, tests are required before production starts. Due to the low product viscosity a gap bridging of 0,1mm is given. After joining the films it requires a fixing pressure. In general, the weight of the foils is sufficient. Maybe the foils have to be fixed with an additional weight. With an adhesive layer thickness of 0,1mm and full surface adhesion 100g/cm² are needed. After a setting time of 15 mins at 23°C the associated (foil) packs are ready for transport. During this time the foil packet should be fixed evenly with a weight. Setting time can be reduced by increasing the temperature. Temperatures below 23°C extend the setting time. At a temperature of 23°C a final strength of 80% can be obtained after 24 hrs., so that the bonded films are mountable.

STORAGE

Frost sensitive	no
Recommended storage temperature	15 to 25 °C
Shelf life	24 months



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